Common BIOS settings for USB booting

How to Access BIOS: computer and motherboard manufacturers and BIOS suppliers use varying keyboard keys that can be pressed during system post to access system BIOS. The following list presents some keyboard key combinations that have been known to work.

Newer BIOS Boot Menu: Many newer computers detect the USB device as a hard drive (**USB-HDD0**). In which case, you can press a specific key (**F2, F10, F11** or **ESC**) during system post to access the "**Boot Menu**". Select your **USB DISK** from the Boot Menu and resume startup.

BIOS/UEFI (máquinas recentes com Windows 8) aceda à BIOS - verifique as opções destes exemplos ou semelhantes:	
TOSHIBA	1. **Advanced / USB Legacy Emulation**: selecionar **ENABLED** 2. **Advanced / System Configuration / Boot Mode**: alterar de **UEFI BOOT** para **GSM BOOT** 3. **Safe Boot:** Desactivar
SAMSUNG	1. **Boot / Secure Boot**: selecionar **DISABLED** 2. **Boot / OS Mode Selection**: alterar de **UEFI BOOT** para **CSM BOOT** 3. Alterar a **Boot Option Priority**
ASUS	1. **Advanced / USB Configuration/ Legacy USB Support**: selecionar **ENABLED** 2. **Boot / Boot Configuration / Launch CSM**: selecionar **ENABLED** 3. Alterar a **Boot Option Priority**
Para discos SSD (cada vez mais usual) deve ativar também o AHCI Mode - Procure na BIOS opções semelhantes aos exemplos:	
SAMSUNG	1. **Advanced / AHCI Mode Control**: selecionar **MANUAL** 2. **Advanced / AHCI Mode Control / Set AHCI Mode**: selecionar **ENABLED**
ASUS	1. **Advanced / SATA Mode Selection**: selecionar **AHCI**

Older BIOS boot options: Possibly you will need to make the system detect and boot your USB device by changing settings in the BIOS:
USB-HDD "Preferred boot method", **USB-ZIP** "May or may not work", **USB-FDD** "Unsupported"

Tips:

- If your BIOS lists the USB memory stick as a hard drive, you should select it as the 1st boot device.
- Remove other USB boot options from the boot priority list when attempting to boot from USB-ZIP or USB-HDD to avoid conflicting.
- Intel-based **Macs** support starting from an USB device's volume: press and hold the **Option key** to access **Startup Manager.**
  - On a MacBook Air, the computer may shutdown automatically as a preventive measure if a USB device with issues is connected, or if the USB port on the MacBook Air itself is damaged.
  - If you use Boot Camp, you may not be able to boot natively into supported versions of Microsoft Windows XP or Windows Vista operating systems installed on external USB hard drive.
- If the USB isn't detected try another port or use BOOT CD (same procedure).

Bios Suppliers	Keyboard Commands used to access BIOS
ALR Advanced Logic Research, Inc. PC / PCI	F2
ALR PC non / PCI	CTRL+ALT+ESC or CTRL+ALT+DEL
AMD (Advanced Micro Devices, Inc.) BIOS	F1
AMI (American Megatrends, Inc.) BIOS	DEL (older: F1 or F2)
Award BIOS	DEL (older: CTRL+ALT+ESC)
DTK (Datatech Enterprises Co.) BIOS	ESC
Phoenix BIOS	DEL (older: CTRL+ALT+ESC, CTRL+ALT+S, CTRL+ALT+INS, CTRL+S)

Computer Vendor/Manufacturer	Keyboard Commands used to access BIOS
Acer (Aspire, Power,Verition, Extensa, Ferrari, TravelMate, Altos)	DEL, F2
Acer Altos 600 server	CTRL+ALT+ESC, F1
Acer (others)	F1, F2, CTRL+ALT+ESC
ARI	CTRL+ALT+ESC, CTRL+ALT+DEL
AST	CTRL+ALT+ESC, CTRL+ALT+DEL
Compaq (Presario, Prolinea, Deskpro, Systempro, Portable)	F10
Compaq 8700	F10
Compaq (others)	F1, F2, F10, DEL
CompUSA	DEL
Cybermax	ESC
Dell (XPS, Inspiron, Precision, Vostro)	F2
Del 400	F3, F1
Dell 4400	F12

Dell Dimension	F2 ou DEL
Dell Latitude	Fn+F1 (while booted), F2 (on boot)
Dell Optiplex	F2 ou DEL
Dell (others)	CTRL+ALT+ENTER, DEL, Fn+ESC, Fn+F1, press RESET 2x
eMachines (eMonster, eTower, eOne, S-Series, T-Series)	TAB, DEL (older: F2)
Fujitsu (Lifebook, Esprimo, Amilo, Tablet, DeskPower)	F2
Gateway (2000, 1440,DX, FX, One, GM, GT, GX, Profile, Astro)	F1
Gateway 2000 Solo™ (older)	F2
HP (Pavilion, TouchSmart, Vectra, OmniBook, Tablet)	F1, F10, F11, F2 (Laptop: ESC) (Tablet: F10, F12)
IBM (PC, XT, AT)	F1, F2
E-pro Laptop	F2
IBM PS/2®	CTRL+ALT+INS after CTRL+ALT+DEL
Intel® Tangent	DEL
Lenovo(IdeaPad, 3000 Series, ThinkCenter, ThinkStation)	F1, F2, DEL
Lenovo (older)	CTRL+ALT+F3, CTRL+ALT+INS, Fn+F1
Lenovo ThinkPad	Botão AZUL “Acess IBM” ou “ThikVantage” ou F1
Lenovo ThinkPad (310, 315)	F2
Lenovo ThinkPad (365)	CTRL+ALT+F1
Lenovo ThinkPad (500, 510)	CTRL+ALT+F3
Lenovo ThinkPad (700, 720)	CTRL+ALT+INS
Lenovo ThinkPad (710T, 730T)	Manter premido o botão suspend/resume
Microid Research MR BIOS	FI
Micron – MPC Computers (ClientPro, Transport)	F1, F2, DEL
NEC (PowerMate, Versa, W-Series)	F2
NEC (Versa Notebook)	F1
Olivetti PC Pro	CTRL+ALT+SHIFT+DEL (in Num Pad)
Packard Bell (8900 series, 9000 Series, Pulsar, Platinum, EasyNote, imedia, iextreme)	F1, F2, DEL
Packard Bell (early 386 and 486)	CTRL+ALT+S
Seanix	DEL
Sharp (Notebook Laptops, Actius UltraLite)	F2
Shuttle (Glamour G-Series, D´vo, Prima PS2-Series, Workstation, X Mini XPC, Surveillance)	F2, DEL
Sony (VAIO, PCG-Series, VGN-Series)	F1, F2, F3
Sony VAIO (320 Series)	F2
Tiger	DEL
Toshiba Equium	F12
Toshiba 335 CDS	ESC
Toshiba Protege	ESC
Toshiba Satellite 205 CDS	F1
Toshiba Satellite L850	F2
Toshiba Tecra	ESC then F1 or F2
Toshiba Notebook [Newer models]	1. Turn on computer Holding down power button while pressing ESC key. The machine will beep, then display: Check System, then press [F1] key. 2. Release ESC key 3. Press F1 key

Additional Information

If you're using an external USB hub with several connected USB devices, the external USB storage device you wish to start from may not be recognized, or, may need to be connected directly into one of the computers USB ports instead. Some computer keyboards that include USB ports may not supply enough power to some external USB hard drives.